

Longitude IPAC® V6

IP Access Control for Windows

DVTel's Longitude™ IP Access Control is an open, software-based solution with standard features that include access control, alarm monitoring, graphical maps, automation, reporting, and a browser-based user interface.

Longitude IPAC provides a wide range of features, unequaled reliability, unlimited scalability and the best price and performance in the industry.

But most importantly, Longitude IPAC is part of DVTel's intelligent Security Operations Center (iSOC™) V6.

iSOC V6 is the only open standards, IP-based security management center that unifies all your video, audio, data, access control, and alarm management functionality and requirements into one command and control center.

iSOC V6 creates a common operational picture that enables you to capture, manage, analyze, integrate and then act on previously unorganized and overly complex data.

This provides improved reaction time, enhanced operator productivity and reduced corporate loss.

DVTel's iSOC: The Unified Physical Security Solution

DVTel's Intelligent Security Operations Center (iSOC™) includes the following modules:

- Latitude Network Video Management Systems (NVMS™)
- Longitude IP Access Control Software and Hardware
- Altitude™ Network Cameras
- SceneTracker™ Visual Analytics
- Data and Video Analytics
- Mentor Performance Enhancement
- CaseBuilder Incident and Reporting Tool
- Audio and VoIP
- Open Integrated Solutions such as Video Analytics

The iSOC V6 unified solution provides maximum flexibility and control for system configuration, user privileges, administration, business rules, customization and integration to 3rd party solutions. It provides a single, seamless path for migration, upgrades and management.

Unification allows video, data and audio events to affect access control and vice versa. As a result, access control events such as access granted, access denied, doors forced open and many others are used to trigger recording of audio or video.

Additionally, video and audio events such as motion, lost video signal, or analytics can be used to trigger responses such as locking down a particular area or denying access to all but high security personnel.

The screenshot displays the 'PERSONNEL MANAGER' window in the Longitude IPAC V6 software. The window has a menu bar with options: Access, Events, Triggers, Graphics, Hardware, Video, Settings, Utilities, and Help. Below the menu bar is a status bar showing 'Operator: ADMIN', 'Computer: WS-MARTINA-1', 'Date: 08/06/2009', and 'Time: 09:31:40'. A red banner at the top right indicates '1 Alarm Pending' with buttons for 'SCP', 'ELK', and 'VTX'. The main content area is divided into two panes. The left pane shows a list of personnel records, with 'John Doe' selected. The right pane displays a form for 'John Doe' with fields for First Name, Last Name, Card#, Card#2, PIN, Re-Issue Code, Vehicle ID, Hotstamp, Card Type, and Access Levels. The Card Type is set to 'Normal' and the Access Levels are set to 'Region 1' and 'ACL 1: All Access'. The form also includes an 'Activate Card' section with 'Activate Date' and 'Expiration Date' fields.

Longitude IPAC V6

Unlike Integrated Systems, users no longer have to worry about version control since the unified components are included in one single version.

Longitude IPAC for Windows V6®

The Longitude IPAC software functions are a component of DVTel's iSOC or as a stand-alone system supporting the following applications:

Access Control Alarm Monitoring Photo ID Badge Creation Visitor Management

The software-based functionality of Longitude IPAC makes it extensible so that the system never becomes obsolete. Standard features include:

- Card, Pin and/or Biometric Access Control
- Automatic Assignment of Access Privileges based on User Defined Fields
- Multiple cards and Card Technologies per person
- Anti-Passback, Two Man Rule and Conditional Access
- Auto Open and Conditional Auto Open
- Mantrap/Interlock control
- Building Mode Control (Arm/Disarm Alarms)
- Elevator Controls

Longitude IPAC for Windows V6 has been designed with ingenuity and innovation. Always in the forefront of technology, Longitude IPAC utilizes the latest Microsoft development tools.

With simple icon based user controls, displays can be tailor-made for each user.

Responses and prompts are context sensitive and can be triggered on system events and scenarios that provide a solution that "fits" the specific end user.

Best of all, the system can adapt to meet the requirements of a changing business environment.

Longitude IPAC's open architecture and open database structure can be easily linked to other systems to ensure accuracy and responsive integration.

For every size project, DVTel has a scalable solution that includes fully integrated Access Control, Video Management, Multi-Level Interactive Graphic Mapping, Photo-ID Creation and Management, Response Management and all the other important features your business needs.

Driven by a customer centered strategy, Longitude IPAC has an intuitive and intelligible interface. We've highlighted just a few of the myriad of features that are available to you.

- Automatically detect and program system hardware with the Autoscan set-up feature.
- Instantly plot devices onto graphic maps with multiple user-defined layers.
- Visualize alarms, control points and monitor points graphically and/or in a scrolling display.
- Easily set-up custom command icon buttons to perform user-defined events such as unlocking door(s), or calling up video images with one click.
- Quickly generate global I/O triggers and macros.
- Instantly review a cardholder's access activities with the Access Trace History feature.
- Easily create access levels with drag and drop functionality.
- Use multi-monitor support to maintain essential alarm/event monitoring while performing other tasks such as adding cardholders.
- Full array of multimedia components such as interactive intelligent agents, voice recognition and instructional tutorials.
- Built-in diagnostic tools to instantly troubleshoot and track system events.
- View real-time status of hardware, components and devices.

Integrated Access Control

The number of cardholders in a system is user defined and the total number of management devices is based on the number of field processors connected in each of the multiple regions supported in Longitude IPAC.

The system GUI provides the interactive medium between the operator and the system where all of the data entry requirements under each of the system data management icons is incorporated. The true benefit here is that a single system provides all of the services necessary to incorporate badging into your system offering.

Any industry standard access reader* and card technology is supported and the user can define multiple card formats and support up to eight simultaneous card formats.

Industry standard computers are used for badging workstations and operator terminals. A complete badging system is available in Longitude IPAC, including an industry standard signature interface and printer.

* Wiegand 26-55 bit lengths

Longitude IPAC Alarm Monitoring

Longitude IPAC integrates alarms from a wide array of sources, including access control devices, alarm receivers, alarm monitoring input devices, video motion detection, video analytics, and input contacts on cameras, CCTV switches, and audio intercom units.

Users typically think of alarms as intrusion or panic events, but Longitude supports the defining of other events such as equipment failure, communications crashes, or even environmental situations as alarms.

These alarms are reported through Longitude's powerful Graphical User Interfaces in a textual format or on Graphical Maps.

- Intrusion, Panic, Equipment Failure, Communications Failure, and Environmental Alarms
- Building Mode Control (Arm/Disarm alarms)
- Alarm Receiver Support
- Graphical Monitoring and Control (Text or Maps)
- Real Time Alarm Servicing
- Alarm Routing by User

Integrated Alarm Management

The software-based functionality of Longitude IPAC makes it extensible so that the system never becomes obsolete.

Standard features include:

- Sorted by priority - up to 99 different priorities.
- Graphically view alarms
- Multi-media alarm annunciating
- Graphically view location of devices, their dynamic state, and properties
- Graphically control devices
- Track devices and assets
- Advanced zoom control allows up to 10 different zoom views
- View Pending Alarms graphically
- Multi-site support
- Supports popular graphic file formats (MS Map, ACAD, Visio, WMF, GIF, JPG, etc...) 10 user-defined layers for device plotting
- Simple drag and drop editing makes setup a snap including secondary fire alarm

When an alarm is activated, what happens? What's next? Who's responding and how? Who is notified? Who is in charge?

All of these questions are a real concern when alarm monitoring is required in a system. Typical access control products do not have an alarm management component, requiring the user to look to a separate provider for this very vital security tool.

The concern for all of these questions is answered in just a few words, the user! The system user knows what they want to happen when an alarm is activated and they know what should happen next, who will be responding and how and who is to be notified and placed in charge in any event or emergency. This level of user flexibility, to configure site management and response, is a standard part of Longitude IPAC's alarm management module.

Our field processors are fully distributed so triggers and macros are downloaded with the user database - the local management at the system processor level. Since Longitude IPAC utilizes a regional system configuration, even a small site can configure multiple response and data entry locations and link from one site to another if a failure to response is detected. This assures that the database is protected and the alarm response is fully managed with automated controls.

Benefits:

- Integrated Alarm Management with Access Point and Facility Keypad "Open" "Close" Requirements.
- Integration with most CCTV Switchers via RS232
- Integration with Fire Panels for Alarm Annunciation
- Centralized Alarm Point Monitoring and Response
- Centralized Alarm Management and Device Control
- Consolidated Reporting
- Lower Cost of Security Management
- Integration with Burglar Panels for Alarms
- Full Alarm Video Verification upon Alarm (iSOC Feature)

Longitude IPAC User Defined Automation

Longitude IPAC is capable of meeting the most sophisticated requirements for automated decision-making and control. Some of the most powerful capabilities of the system are realized using the Triggers and Macros feature, which allows the user to define a list of commands or a program that will be executed on receipt of a trigger.

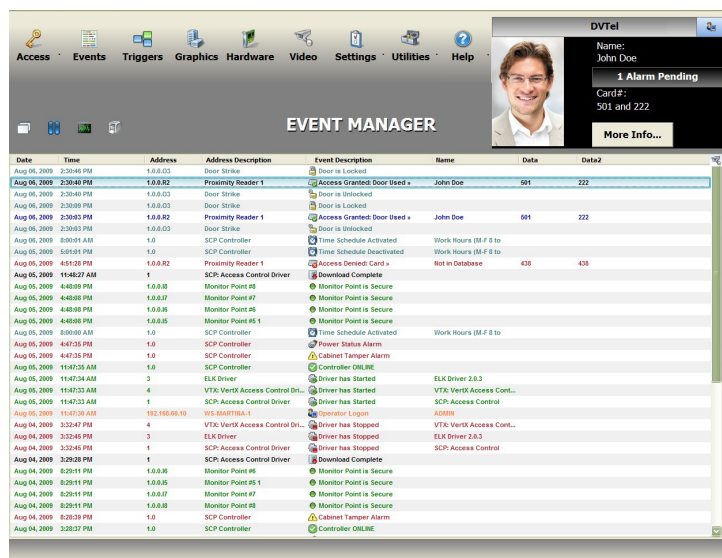
Longitude Reporting

Longitude IPAC provides a large number of standard reports, including Personnel Lists, Access Privileges, and System Configuration Information. User defined custom reports can be created and scheduled for printing.

The most important feature of the reporting system is that it can maintain virtually unlimited historical archives for printing that is only limited by available disk space.

Many systems keep two years of online history. This greatly simplifies system maintenance. In fact, year end archiving is performed automatically.

The user simply needs to provide an online or offline storage media to perform the year end archive.



Date	Time	Address	Address Description	Event Description	Name	Data2
Aug 06, 2009	2:30:45 PM	1.0.0.01	Door Strike	Door is Locked		
Aug 06, 2009	2:30:40 PM	1.0.0.02	Proximity Reader 1	Access Granted: Door Used	John Doe	501 222
Aug 06, 2009	2:30:40 PM	1.0.0.03	Door Strike	Door is Unlocked		
Aug 06, 2009	2:30:39 PM	1.0.0.03	Door Strike	Door is Locked		
Aug 06, 2009	2:30:40 PM	1.0.0.02	Proximity Reader 1	Access Granted: Door Used	John Doe	501 222
Aug 06, 2009	2:30:40 PM	1.0.0.03	Door Strike	Door is Unlocked		
Aug 06, 2009	5:00:01 AM	1.0	SCP Controller	Time Schedule Activated	Work Hours (9-F 9 to	
Aug 06, 2009	5:01:01 PM	1.0	SCP Controller	Time Schedule Deactivated	Work Hours (9-F 9 to	
Aug 06, 2009	4:51:03 PM	1.0.0.02	Proximity Reader 1	Access Denied: Card	Not in Database	430 430
Aug 06, 2009	11:40:27 AM	1	SCP Access Control Driver	Download Complete		
Aug 06, 2009	4:40:08 PM	1.0.0.01	Monitor Point #5	Monitor Point is Secure		
Aug 06, 2009	4:40:08 PM	1.0.0.07	Monitor Point #7	Monitor Point is Secure		
Aug 06, 2009	4:40:08 PM	1.0.0.06	Monitor Point #6	Monitor Point is Secure		
Aug 06, 2009	4:40:08 PM	1.0.0.05	Monitor Point #5	Monitor Point is Secure		
Aug 06, 2009	8:00:00 AM	1.0	SCP Controller	Time Schedule Activated	Work Hours (9-F 9 to	
Aug 06, 2009	4:47:26 PM	1.0	SCP Controller	Power Status Alarm		
Aug 06, 2009	4:47:26 PM	1.0	SCP Controller	Cabinet Tamper Alarm		
Aug 06, 2009	11:47:35 AM	1.0	SCP Controller	Controller ONLINE		
Aug 06, 2009	11:47:34 AM	3	ELK Driver	Driver has Started	ELK Driver 2.0.3	
Aug 06, 2009	11:47:33 AM	4	VTX: VeriX Access Control Dri...	Driver has Started	VTX: VeriX Access Cont...	
Aug 06, 2009	11:47:33 AM	1	SCP Access Control Driver	Driver has Started	SCP Access Control	
Aug 06, 2009	11:47:30 AM	192.168.0.10	VTS:SMARTVLS-1	Operator Login	ADMIN	
Aug 04, 2009	2:32:47 PM	4	VTX: VeriX Access Control Dri...	Driver has Stopped	VTX: VeriX Access Cont...	
Aug 04, 2009	2:32:46 PM	3	ELK Driver	Driver has Stopped	ELK Driver 2.0.3	
Aug 04, 2009	2:32:46 PM	1	SCP Access Control Driver	Driver has Stopped	SCP Access Control	
Aug 04, 2009	2:29:28 PM	1	SCP Access Control Driver	Download Complete		
Aug 04, 2009	8:26:11 PM	1.0.0.06	Monitor Point #6	Monitor Point is Secure		
Aug 04, 2009	8:26:11 PM	1.0.0.05	Monitor Point #5	Monitor Point is Secure		
Aug 04, 2009	8:26:11 PM	1.0.0.07	Monitor Point #7	Monitor Point is Secure		
Aug 04, 2009	8:26:11 PM	1.0.0.01	Monitor Point #1	Monitor Point is Secure		
Aug 04, 2009	8:26:26 PM	1.0	SCP Controller	Cabinet Tamper Alarm		
Aug 04, 2009	8:26:37 PM	1.0	SCP Controller	Controller ONLINE		

Browser-based User Interface

The standard Browser-based User Interface provides comprehensive functionality without the need for client software.

Users simply need a Web Browser to access all of the functions of Longitude IPAC.

However, the optional Windows-based Thick Client provides exceptional performances in bandwidth limited situations.

The system is designed to provide the familiarity of a Windows Desktop or a Browser-based user interface.

Beyond Expectations

The iSOC is an intelligent software platform that uses DVTel's 4-A rules:

The iSOC open platform acquires data from multiple sources, administers the data so that it can be analyzed and then become information to be acted upon.

Beyond Physical Security

Physical Security solutions aren't just video surveillance and access control anymore. Security is no longer just a cost center, it can be transformed into a profit center by using that same video and access control information to increase productivity, improve operations, and support marketing efforts and human resources needs.

iSOC V6®

With thousands of installations worldwide and hundreds of thousands of IP devices, DVTel has the most end-to-end IP-based security surveillance systems deployed today.

From prisons to schools, airports to seaports, hospitals to casinos, government buildings to entire cities, and worldwide corporations to convenience stores — DVTel has the solution to fit your needs.

DVTel's products have evolved based on the real-world needs of our customers, including the need for open-based systems that are scalable, flexible, and competitively priced.

No project is too big or too small.

DVTel can provide entry-level solutions that are simple to deploy and use, alongside enterprise systems that meet the requirements of the most demanding projects in size and scope.